

# Monitoring Summary for NELSON LAGOON WATER SYSTEM

Public water system ID#AK2260804

Population: 60

March 21, 2024

Community Water System, Surface water

Requirement	Sample Point ID	Required Sampling Frequency	Last Sample	Next Sample
Sanitary Survey		Every 3 years	09/15/2021	2024
<b>DS NELSON LAGOON WATER SYSTEM (Facility ID:DS001)</b>				
COLIFORM (TCR)	SPDS001TCR	1 sample(s) monthly	03/06/2024	Monthly, according to Sample Siting Plan
LEAD AND COPPER	SPDS001PC	5 sample(s) every 3 years	06/05/2022	2025
TOTAL TRIHALOMETHANE	-See below-	1 sample(s) annually	08/04/2021	See stage 2 sampling detail information below
HAA5 (HALOACETIC)	-See below-	1 sample(s) annually	07/18/2022	See stage 2 sampling detail information below
<b>TP FOR NELSON LAGOON WATER SYSTEM (Facility ID:TP001)</b>				
SOC	SPTP001	1 sample(s) quarterly	07/20/2006	Submit SOC waiver renewal application by Sept 30, 2024
VOC	SPTP001	1 sample(s) annually	07/30/2020	Overdue; Collect ASAP
NITRATE	SPTP001	1 sample(s) annually	07/18/2022	Overdue; Collect ASAP
ARSENIC - SINGLE	SPTP001	1 sample(s) per 9 year cycle	03/27/2011	Between 2020 and 2028
RADIUM 226 AND 228	SPTP001	1 sample(s) per 9 year cycle	07/31/2019	Between 2026 and 2034
TOTAL GROSS ALPHA	SPTP001	1 sample(s) per 9 year cycle	07/31/2019	Between 2026 and 2034
INORGANICS	SPTP001	1 sample(s) per 9 year cycle	04/25/2023	Between 2029 and 2037

## Stage 2 Sampling Detail Information - Sample frequency listed in requirements above

Contaminant	Sample Pt. ID	Location	Sample Count	Sample Dates
HAA5	SPDS1DBP-H2	HAROLD JOHNSON HOUSE	1	Overdue; Collect ASAP
TTHM	SPDS1DBP2-T	DOCK	1	Overdue; Collect ASAP

## Operator Report

Requirement	Location	Sampling Frequency	Last Report	
TURBIDITY	After Filters	1 samples 20 days per month	01/01/2024	Test and record daily. Send reports to ADEC on the last day of the month (before the 10th day of the following month).
CHLORINE	Distribution System	Same time/place as routine TCR sample	03/01/2024	
CHLORINE	Entry Point	1 samples 20 days per month	01/01/2024	

## Compliance Schedules

Schedule/Action	Due	Comments
<b>Boil Water Notice</b>		
BWN-CLOSED BWN		Requires polymer replaced/repared and SWTR met then 3 satisfactory TC sample results to get off BWN. - lvs 02/28/22
BWN-HAND DELIVER/CONTINUOUSLY POST NTCE	12/15/2022	

LCRR		
SUBMIT DRAFT LSL INVENTORY	04/24/2024	Submit Draft of Lead Service Line Inventory for more information visit DW LCRR website <a href="https://dec.alaska.gov/eh/dw/lcrr/">https://dec.alaska.gov/eh/dw/lcrr/</a>
COMPLETE INITIAL LSL INVENTORY	10/16/2024	
SUBMIT LEAD SERVICE LINE INVENTORY	10/16/2024	
Sanitary Survey Corrective Actions		
CONSULT DEC - SIG DEFICIENCY (SW)	05/11/2023	04/12/2023 Operator Darren Johnson has contacted me to confirm receipt of the LSS. I will follow up today to obtain the most recent contact information and to outline what needs to be done to resolve the deficiencies. I will add achieved date when he confirms that he understands actions. -MHYDE  Must consult DEC to set up corrective action plan.
CORRECTIVE ACTION	08/09/2023	Air gaps on the greensand backwash to waste and filter to waste lines are not 2 times the diameter of the lines. These lines must be shortened to maintain the minimum air gap.
CORRECTIVE ACTION	08/09/2023	Online turbidimeters are not functional or calibrated at the time of the survey. Must receive confirmation that these are working and have been calibrated last quarter to resolve deficiency.
CORRECTIVE ACTION	08/09/2023	Coagulant feed pump is inoperable. Must be repaired or replaced to confirm that deficiency has been resolved.
CORRECTIVE ACTION	08/09/2023	Boardwalk to intake has been badly damaged. There is a construction approval on file for a project that would update the intake and renovate the walking platform. System must contact Chris Pletnikoff to confirm the timeline of the project to adjust compliance schedule. Deficiency will be resolved when project is complete.
CORRECTIVE ACTION	08/09/2023	Vent cap on 212k gallon storage tank was blown off during windstorm. Must submit photograph of screened and covered vent on tank to resolve deficiency.
Consumer Confidence Report		
CCR - SUBMITTAL	06/30/2024	
CCR - CERTIFICATION PAGE	09/30/2024	

\*\*NSF = No sample found

- 1) Periods are three years in length. The current period is 1/1/2023 - 12/31/2025 and the next period will be 1/1/2026 - 12/31/2028. Cycles are nine years in length. The current cycle is from 1/1/2020 - 12/31/2028 and the next cycle is 1/1/2029 - 12/31/2037.
- 2) Periods for radionuclides (gross alpha, radium 226/228, and uranium) are three or six years in length. The current 6 year period is 01/01/2020 - 12/31/2025, the next 6 year period will be 01/01/2026 - 12/31/2031. Cycles for radionuclides are nine years in length. The current cycle is from 01/01/2017 - 12/31/2025 and the next cycle is 01/01/2026 - 12/31/2034.
- 3) WL (well) or TP (treatment plant) is the entry point to the distribution system, except for raw water samples and WL (well) is the raw water tap. DS (distribution system) is the home and buildings that receive water from a piped water system.
- 4) Water quality parameters are tested in order to conduct a corrosion control study. Please contact your engineer, health corporation, or certified laboratories for assistance.
- 5) Lead/Copper samples on an annual or 3 year schedule should be collected in month of warmest water temperature.
- 6) Water systems with multiple water sources that do not combine before entering the distribution must take one sample from each entry point to the distribution and may do a composite sample according to 18AAC80.325(17), 18AAC80.315(4).
- 7) SOC waiver renewal forms are due every three year period. SOC waiver, new and renewal, forms can be found at <http://dec.alaska.gov/eh/dw/soc/>.
- 8) Each public water system is required to have a water operator (or operators) certified at or above the drinking water treatment and drinking water distribution level assigned to the system. To check on current level of certification for your water operator please see the Alaska Certified

Water/Wastewater Operator Database maintained by the Division of Water: <https://dec.alaska.gov/Applications/Water/OpCert/Home.aspx?p=OperatorSearch>. If you have questions regarding the water system level or the operator certification level please contact Operator Certification at 907-465-1139 or at [dec.water.fco.opcert@alaska.gov](mailto:dec.water.fco.opcert@alaska.gov).

**Monitoring Summaries reflect sample results the Drinking Water Program has record of at the time the summary is drafted (see date at top of summary). If information appears incorrect or is inconsistent with previous monitoring summaries please contact DW staff. Monitoring summaries are part of the DW Program's compliance assistance efforts to summarize requirements to help water systems stay in compliance. However, they do not cover all items that may be required of a Public Water System (PWS), nor does it supersede the regulation requirement as outlined in the Code of Federal Regulations or the Alaska Administrative Code. The PWS owner/operator is required to understand or seek assistance in understanding what regulations apply to their PWS.**

Monitoring summary completed by John Davis, Environmental Program Specialist/ADEC. If you have any questions please contact ADEC at 907-262-8201 or Email: [john.davis@alaska.gov](mailto:john.davis@alaska.gov) Fax: 907-262-2294.

Sincerely,

John Davis  
Environmental Program Specialist